

**PROGRAM OF INSTRUCTION  
FOR  
MILITARY NEUROPSYCHIATRIC COURSE**



**MEDICAL FIELD SERVICE SCHOOL  
BROOKE ARMY MEDICAL CENTER  
FORT SAM HOUSTON, TEXAS**

**1947**



**APPROVED**

**9 DEC 1947**

**R. E. DUKE  
Colonel, MC  
Chief, Education and  
Training Division**





U.S. MEDICAL FIELD SERVICE SCHOOL, *Fort Sam Houston, Tex.*

BROOKE ARMY MEDICAL CENTER

FORT SAM HOUSTON, TEXAS

PROGRAM OF INSTRUCTION

FOR

OFFICERS' BASIC COURSE IN MILITARY NEUROPSYCHIATRY  
(MO-10)

27 SEPTEMBER 1947

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OFFICERS' BASIC COURSE IN MILITARY NEUROPSYCHIATRY

MEDICAL FIELD SERVICE SCHOOL

PURPOSE:

To train Medical Officers to be ward officers in hospital wards for psychiatric and neurologic diseases and as psychiatrists at induction stations, training centers and dispensaries. (MOS D-3130)

PREREQUISITES:

Completion of Basic course for Medical officers or its equivalent; previous training in neurology and/or psychiatry and an expressed desire for increased knowledge in psychiatry and neurology; satisfactory personality adjustment, to be determined before enrollment or by the Chief of the Department of Neuropsychiatry, Medical Field Service School during the first four weeks of training period; at least one (1) year of unexpired active military duty following completion of the course.



OFFICERS' BASIC COURSE IN MILITARY NEUROPSYCHIATRY  
MEDICAL FIELD SERVICE SCHOOL  
(16 weeks - 640 hours)

SUBJECT	HOURS
<u>CLINICAL APPLICATION</u>	305
Practical Application of Psychiatry	(80)
Practical Application of Neurology	(50)
Clinical Demonstration in Military Neuropsychiatry	(175)
<u>COMMANDANT'S TIME</u>	32
Class Organization	(4)
Clearance and Graduation	(2)
Examination and Quiz	(8)
Subjects to be Announced	(18)
<u>NEUROLOGY</u>	80
Neuroanatomy	(20)
Neurophysiology	(20)
Neuropathology	(20)
Clinical Neurology	(20)
<u>PSYCHIATRY</u>	127
"Normal" Behavior Patterns	(5)
Psychopathology	(20)
Specific Behavior Deviations and Deficiencies	(50)
Childhood Psychiatry	(4)
Maladjustments in the Military Service	(5)
Preventive Psychiatry	(5)
Psychiatric Therapy	(30)
Legal Aspects of Psychiatry	(4)
Correlative Services	(4)
<u>TRAINING</u>	96
Physical Training	(80)
Troop Information Program	(16)



# PROGRAM OF INSTRUCTION

## OFFICERS' BASIC COURSE IN MILITARY NEUROPSYCHIATRY

### PART I

#### CLINICAL APPLICATION

305 Hours

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Practical Application of Psychiatry ANNEX NO. 1	(80)	Supervised bedside study of patients on both open and closed psychiatric wards. The student has responsibility to supervisor for work-up, evaluation, diagnosis, treatment, and disposition of selected assigned cases.
Practical Application of Neurology ANNEX NO. 2	(50)	Supervised bedside study of patients on neurologic wards. The student has responsibility to supervisor for work-up, evaluation, diagnosis, differential diagnosis, treatment, and disposition of selected assigned cases.
Clinical Demonstrations in Military Neuro- psychiatry ANNEX NO. 3	(175)	On-the-job participation in evaluation, treatment, and disposition of hospital cases in conference with the faculty and other members of the staff. Study and conference periods for analysis of important literature.

### PART II

#### COMMANDANT'S TIME

32 Hours

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Class Organization ANNEX NO. None	(4)	Processing of individuals, organization of students into sections for instruc-



# PART III (Cont'd)

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
		tional purposes, Commandant's address, and such other administrative procedures as announced by the Commandant.
Clearance and Graduation ANNEX NO. None	(2)	Turning in of books and supplies; processing for departure and formal graduation exercises.
Examination and Quiz ANNEX NO. None	(8)	To serve as index of effectiveness of teaching and to ascertain each student's application and accomplishment.
Subjects to be Announced ANNEX NO. None	(16)	To provide for conferences with such guest professional consultants as are available during the course.

## PART III

### NEUROLOGY 80 Hours

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Neuroanatomy ANNEX NO. 4	(20)	A review of the basic and applied anatomy of the central, autonomic and peripheral nervous systems.
Neurophysiology ANNEX NO. 5	(20)	A review of the basic and applied physiology of the central, autonomic and peripheral nervous systems.
Neuropathology ANNEX NO. 6	(20)	A survey of the common pathological changes in the nervous system, their gross and microscopic appearance, and pathogenesis.



# PART III (Cont'd)

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Clinical Neurology ANNEX NO. 7	(20)	A survey of the methods of neurological examination, aids to diagnosis, signs, symptoms, differential diagnosis and treatment of the common neurological disorders with emphasis on military problems.

## PART IV

### PSYCHIATRY 127 Hours

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
"Normal" Behavior Patterns ANNEX NO. 8	(5)	Orientation on the psychiatric viewpoint. Study of individual as a whole. Common reactions to life situations and stresses. The utility of anxiety.
Psychopathology ANNEX NO. 9	(20)	Introduction to the study of personality and its pathologic reactions including somatization patterns. Influence of training, secondary gain, motivation, psychodynamics.
Specific Behavior Deviations and Deficiencies ANNEX NO. 10	(50)	The psychiatric interview. Recording the mental status. Psychoses with demonstrable pathologic changes. Functional psychoses. Psycho-neurosis. Mental deficiency. Character and behavior disorders. Somatization reactions.
Childhood Psychiatry ANNEX NO. 11	(4)	To teach the student that childhood is the "golden age" of preventive psychiatry. Influence of training. Persistence and influence of



SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
		childhood patterns. Correction of asocial, anti-social, or disintegrating habits.
Maladjustments in the Military Service ANNEX NO. 12	(5)	Influence of peacetime training. Parental influences. Regimentation and other stresses on recruit. Training periods, combat stress, occupation forces, leadership. The chaplain's role in the Army.
Preventive Psychiatry ANNEX NO. 13	(5)	To teach the student that the essence of psychiatric therapy is prevention of mental illness by adjusting the personality stress or manipulation of the environment. Group psychotherapy as a preventive as well as a corrective procedure.
Psychiatric Therapy ANNEX NO. 14	(30)	Use of hospital facilities, socializing techniques, hobby groups, recreational facilities, music and dramatics, psychotherapy both individual and group, hydrotherapy, physical therapy, and drugs in treating mental and emotional disease.
Legal Aspects of Psychiatry ANNEX NO. 15	(4)	Determination of mental responsibility for wrongful acts. Psychiatric testimony before Army Retiring Boards, Disposition Boards, and Courts-Martial. Legal implications of the clinical record.



# PART IV (Cont'd)

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Correlative Services ANNEX NO. 16	(4)	To acquaint the student with the duties, fields of activity, and therapeutic influences of neuropsychiatric nurses, attendants, social workers, and psychologists so as to encourage effective teamwork.

## PART V

TRAINING  
96 Hours

SUBJECT AND ANNEX NUMBER	HOURS	SCOPE
Physical Training ANNEX NO. 17	(30)	To develop and maintain a high level of physical fitness in the individual by conditioning exercises and vigorous competitive athletics.
Troop Information Program ANNEX NO. 18	(16)	To inform the student on matters of significance to him in connection with his military duties, to afford a source of general information in order that he may understand and evaluate his responsibilities as an officer and a citizen and to provide an opportunity for free discussion with his fellow man on these topics.

ANNEX NO. 1

PRACTICAL APPLICATION OF PSYCHIATRY  
(80 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Closed Ward Case Work	40	Students are assigned patients on the closed psychiatric wards for which they are responsible to the faculty supervisor and ward officer for workup, diagnosis, differential diagnosis, treatment, and disposition.	PE	All previous references in Psychiatry and Neurology.
Open Ward Case Work	40	Students are assigned patients on the open psychiatric wards for which they are responsible to the faculty supervisor and ward officer for workup, diagnosis, differential diagnosis, treatment, and disposition.	PE	All previous references in Psychiatry and Neurology.



## ANNEX NO. 2

PRACTICAL APPLICATION OF NEUROLOGY  
(50 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Case Work in Neurology	50	Students are assigned patients on neurologic wards for which they are responsible to the faculty supervisor and ward officer for workup, diagnosis, differential diagnosis, treatment, and disposition.	PE	All previous references in Psychiatry and Neurology.

CLINICAL DEMONSTRATIONS IN MILITARY NEUROPSYCHIATRY  
(175 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Assigned Reading	8	Students to engage in library research on topics to be assigned related to military neuropsychiatry for presentation in group conferences.	C, PE	To be announced.
Psychologic Testing	8	Students to engage in supervised administration of basic psychometric tests. Introduction to interpretation of selected personality tests. Students to experience at least one test as subject.	C, PE	Measurement of Adult Intelligence, Wechsler.
369 Boards	6	Each student is to attend three two hour sessions of an actual AR 615-369 Discharge Board as soldiers with psychiatric implications are presented and discussed.	PE	AR's 615-360, 615-361, 615-368, 615-369.
Clinics and Con- ferences	153	Students to take active part in clinics and group conference discussions involving the practice of military neuropsychiatry organized around available case material. Stress on functioning of the neuropsychiatric team as it can best function in the military situation.	PE	All previous references in Psychiatry and Neurology.



## ANNEX NO. 4

NEUROANATOMY  
(20 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Basic Organ- ization of the Nervous System.	1	An outline of the origin of organiza- tion of the ner- vous system. The neuron and neuron doctrine. Neuroglia. Receptors and effect- ors.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System , Rausons; Neuro- anatomy, Mett- ler.
Spinal Cord: Anatomy	1	A survey of the ex- ternal morphology of the spinal cord, divisions of white and gray matter, spinal nerves, seg- mental innervation and vascular supply of the spinal cord.	L,D	As above.
Spinal Cord: Conduction Pathways	1	The methods of spinal cord path- ways, afferent and efferent tracts, fasciculus proprius systems, lamina- tion, Brown-Sequard Syndrome.	L,D	As above.
Spinal Fluid Pathways	1	A review of the lo- cation of cerebro- spinal fluid, anato- my of the meninges and ventricles and the sources, rate of formation, flow and flow variations of cerebrospinal fluid.	L,D	As above.
Peripheral Nerve Anato- my	1	The basic anatomical features of peripheral	L,D	Human Neuro- anatomy,

ANNEX NO. 4 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		nerves, pattern of segmental nerves, pattern of peripheral nerves. Motor, sensory, auto- nomic and skele- tal innervation.		Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler; Peripher- al Nerve In- juries, Hay- maker and Woodhall.
Brain Stem Anatomy	2	The gross anat- omy of the brain stem, contrast between spinal cord and brain stem, review of cross sectional anatomy of brain stem, longitudin- al distribution of cranial nerve and other pathways, supranuclear in- nervation.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler.
Cerebellum	1	Gross and topo- graphical anat- omy, microscopic structure and connections of the cerebellum.	L,D	As above.
Thalamus and Rela- ted Struc- tures	1	The diencephalon and its divisions. Anatomy and phys- iology of the pine- al. Gross anatomi- cal relations of the thalamus, thalamic nuclei and their projections and sectors, subthala- mus, general re- view of thalamic function in rela-	L,D	As above.



SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		tion to sensory and motor phe- nomena. The thal- amic syndromes.		
The Auto- nomic Ner- vous System.	1	The organization of the autonomic nervous system. Central connec- tions. Peripher- al divisions: anatomical and functional fea- tures of the sym- pathetic and para- sympathetic neur- ons.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler; The Auto- nomic Nervous System, White and Smithwick; Autonomic Regu- lations, Gell- horn, E.
The Extra- pyramidal System	1	The concept of the extra pyramidal system, anatomi- cal and histologi- cal features of the basal ganglia, corpus luytii, substantia nigra, red nucleus and cortical fields. Important func- tional extra- pyramidal connec- tions.	L,D	Human, Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mettler; The Basal Ganglia, ARNMD Monograph, _____, 1943.
Cerebral Cor- tex Anatomy	2	The morphology of the cerebral hem- ispheres; the med- ullary substance; cytology and archi- tecture of the cere- bral cortex, the cortical areas.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler.

## ANNEX NO. 4 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Cerebral Cor- tex, Cerebral Metabolism	1	A survey of the significant features of cerebral metabolism: oxygen, glucose and vitamin utilization. Regional differences and correlation with anatomical and cytological features.	L	Page I, Brain Metabolism; Peters and Van Slyke, Quantitative Clinical Chemistry; Quastel, J. H., Respiration in the CNS, Physi- <u>iol. Rev.</u> 19; 135, 1939.
Cerebral Circulation	2	A survey of the arterial supply and venous drainage of the brain. Problems relative to the capillary bed and "end arteries." The physiological control of the cerebral circulation and the role of functional vascular alterations in the production of syndromes.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler.
The Pituitary	1	A review of the embryology, gross anatomy, histology and cytology of the pituitary. The blood supply and connections of the pituitary. Physiological consid- eration of the anterior and posterior lobes.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler; The Pitui- tary Gland, ARNMD Monograph <u>XVII</u> , 1939.



ANNEX NO. 4 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Sleep Path- ways	1	General cortico - hypothalamic rela- tionships, Anatom- ical considerations and physiological mechanisms involved.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neure- anatomy, Mett- ler.
Optic Path- ways	1	A review of the an- atomy of the visual pathways, Arrange- ment of fibers with regard to visual areas. Visual field disturb- ances, optic reflexes. Methods of neuro- ophthalmological ex- amination.	L,D	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler; Neurolog- y of the Eye, Ear, Nose, and Throat, Spiegel, E. and Sommer, I.; Clinical Peri- metry, Traquair.
Review: Sensori- motor Systems	1	A general review of the sensory and motor systems with a survey of organ- ization at the var- ious levels from peripheral nerve to cerebral cortex and defect syn- dromes.	C	Human Neuro- anatomy, Strong and Elwyn; Anato- my of the Ner- vous System, Rausons; Neuro- anatomy, Mett- ler.

NEUROPHYSIOLOGY  
(20 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Mechanisms of Nerve Activity	1	Introduction to the electrical activity of the nervous sys- tem; physico-chemi- cal mechanisms, pro- duction of EMF, ex- citation, conduc- tion and response. Review of the prop- erties of the nerve impulse and action potentials. Neuronal and synaptic trans- mission.	L,D	Textbook of Physiology, Chap's 1-6, Fulton-Howell; Symposium on the Synapse, C. C. Thomas, 1939; Physico-Chemical Mechanism of Nerve Activity, Ann. N. Y. Acad. Sci. XLVII, 1946.
Spinal Cord: Reflexes	1	General characteris- tics of the elemen- tary cord reflex, central inhibition, flexor reflex, ex- tension reflexes, intersegmental re- flexes, visceral reflexes. Recip- rocal innervation.	L,D	Physiology of the Nervous Sys- tem, Fulton; Textbook of Phys- iology, 1946, Fulton-Howell; Basis of Clinical Neurology, Brock.



ANNEX NO. 5 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
The Neuro- genic Bladder	1	A review of the physiology of normal and abnormal bladder function. Survey of the techniques of cystometry. Classification of neurogenic bladders. Tidal drainage. Problems in the care and management of neurogenic bladders.	L,D	Physiology of the Nervous System, Fulton; Textbook of Physiology, 1946, Fulton-Howell; Basis of Clinical Neurology, Brock; Physiology of Micturition, Langworthy, O.
The Cerebro Spinal Fluid	1	A review of the method of spinal fluid formation. Lumbar puncture: techniques, indications and contraindications. Cerebro spinal fluid dynamics.	L,D	Physiology of the Nervous System, Fulton; Textbook of Physiology, 1946, Fulton-Howell; Basis of Clinical Neurology, Brock.
Peripheral Nerve Physiology: Electrodiagnostic Tests	1	The problem of utilization of electrodiagnostic tests, anatomical and physiological features of significance, excitability, chronaxie, reaction of degeneration, electrical skin resistance, electromyography: motor unit discharges.	L,D	As above.

ANNEX NO. 5 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Brain Stem Physiology	2	A review of de- cerebrate rigid- ity and of the cranial nerve functions and cysfunctions. General princi- ples of brain stem syndrome.	L,D,TF	Physiology of the Nervous Sys- tem, Fulton; Textbook of Physiology, 1946, Fulton-Horrell; Basis of Clini- cal Neurology, Brook, Misc Films 1307, 1308, 1309, 1310;
Cerebellum	1	A review of cere- bellar functions, definition of terms describing abnormal movement, equilibri- um and coordination, problems of locali- zation of function in the cerebellum, the flocculonodular and neocerebellar syndromes.	L,D	Physiology of the Nervous Sys- tem, Fulton; Textbook of Physiology, 1946, Fulton-Horrell; Basis of Clini- cal Neurology, Brook.
The Hypo- thalamus	1	Gross anatomical relationships, nu- clear subdivisions and relation to autonomic functions, hypothalamic connec- tions, relationship to cortical func- tions, blood supply, physiological correla- tions and mechanisms, clinical implications and syndromes.	L,D	Physiology of the Nervous Sys- tem, Fulton; Textbook of Phys- iology, 1946, Fulton-Horrell; Basis of Clini- cal Neurology, Brook; The Hypothalamus, J. W. H. Monograph, XX, 1942.



ANNEX NO. 5 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
The Extra- pyramidal System	1	The extrapyramidal system as a physiological unit. General features of extrapyramidal function: role in motor activity, relation to pyramidal function, significance of suppressor circuits, mechanism of alternating tremor and choreo-athetosis, review of extrapyramidal syndromes and theories of extrapyramidal function.	L,D	Physiology of the Nervous System, Fulton; Textbook of Physiology, 1946, Fulton-Horrell; Basis of Clinical Neurology, Brock; The Basal Ganglia, ARND Monograph, XXI, 1943.
Cerebral Cortex Physiology	2	Encephalization of neural functions, problems of cerebral dominance and compensation, methods of study of cerebral function. A review of the functions of the frontal (prefrontal, premotor and motor), temporal, parietal and occipital lobes with orientation on clinical significance of defect syndromes and focal seizures.	L,D	Physiology of the Nervous System, Fulton; Textbook of Physiology, 1946, Fulton-Horrell; Basis of Clinical Neurology, Brock.
Agnosia, Apraxia, Aphasia	2	A review of the significance and incidence of the problem. Pathways of apraxia and types of apraxia. Levels of gnosis and types of agnosia. Aphasia	L,D TF	Agnosia, Apraxia, Aphasia, Nielsen, J. H.; TF 1155; Basis of Clinical Neurology, Brock; Morse, Philp 1306.

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
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and symbolic formulation and expression. Types of aphasia. Different concepts. Localizing value of these syndromes. Methods of testing and evaluation of cases. Treatment and management of cases.

Headache Mechanisms	1	A review of the nerve pathways involved in headache; pain sensitive and pain insensitive structures. Radiation areas. Basic mechanisms of headache from extracranial and intracranial sources. An analysis of different types of headaches in various clinical conditions.	L,D	Pain, ARNMD Monograph XXIII, 1945 (articles by Wolff and Co-workers).
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Mechanisms of Fainting	1	Classification and description of types and mechanisms of syncope: fall in B P in erect position, (vasodepressor syncope), cardiac asystole (i.e. carotid sinus), local changes in cerebral blood flow,	L,D	Physiological Basis of Medical Practice, Best and Taylor; Mechanisms of Fainting, Engel, G.L. Journal Mt. Sinai Hosp. 12: 170, 1945; Carotid Sinus Syncope, Ferris, E. B., Cappel, R.B. and
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SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		changes in cardiac rhythm, obstruction of blood flow from left ventricle, anoxemia, acapnia, hysterical fainting. Difference between syncope and epilepsy. Method of analysis of cases.		Weiss, S., Medicine 14: 377, 1935; Value of EEG in Differential Diagnosis of Epilepsy and Fainting, Redlich, W.C., Dis. New Syst. 7: 2, 1946.
Electro-encephalography	4	History of electroencephalography, a survey of the electrical activity of the central nervous system in relation to EEG, methods and techniques of EEG, principles of EEG analysis, the normal EEG and its physiological variations, artifacts, EEG indications and limitations, generalized EEG abnormalities, focal EEG abnormalities, EEG in epilepsy, electroconvulsive therapy, head trauma, brain tumors. Methods of EEG classification and interpretation. Review of EEG application to problems of military neuropsychiatry.	L,D	Atlas of EEG, Gibbs, F. A. and Gibbs, E. L.; EEG, Chap XIV in Penfield and Erickson, Epilepsy and Cerebral Localization, Jasper, H. H.; TB MED 74; EEG, Chap 33 in McV. Hunt Personality and Behavior Disorders, Lindsley, D.B.; Chap III in Lucy, M., The Precentral Motor Cortex, O'Leary, J. L.

NEUROPATHOLOGY  
(20 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
General Neuro- pathology:	2	A survey of neuro- histological meth- ods, laboratory study of structural changes in nerve cells, fibers and glia. General principles of neuropathology.	C,D,PE	Pathology of Central Nervous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropathology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropathology, Freeman, W.
Vascular Disorders	1	A review of the pathology of vas- cular disorders of the nervous system: cerebral anoxemia, arterio- sclerosis, hyper- tension and arterio- larsclerosis, embolism, throm- bosis, hemorrhage, aneurysms, anom- alies, periarteritis necrosa, thrombo- anginitis obliter- ans	L,D	As above.
Vascular Disorders	2	Laboratory study of the gross and microscopic path- ology of vascular lesions of the nervous system.	PE	As above.



## ANNEX NO. 6 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Encephalitis	1	A review of the pathogenesis and pathology of infectious encephalitis. A general classification and survey.	L	Pathology of Central Nervous System, Courville, C.B.; Histopathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropathology, Weil; Atlas of Neuropathology, Army Institute of Pathology; Neuropathology, Freeman, H.; TB MED 112; Encephalitis, Neal, J.
Infections of the Nervous System	2	Laboratory study of the gross and histopathology of infectious lesions of the central nervous system: poliomyelitis, encephalitis, meningitis, abscess, neurosyphilis.	PE	Pathology of Central Nervous System, Courville, C.B.; Histopathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropathology, Weil; Atlas of Neuropathology, Army Institute of Pathology;

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
				Neuropath- ology, Free- man, W.; TB MED 112; Encephalitis, Neal, J; Virus Encephalitis, Army In- stitute of Pathology.
Demyelinating Diseases	1	A presentation of the classification, basic lesions and concepts of pathogenesis of demyelinating diseases of the central nervous system.	L,D	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.; Pathology of Demyelinating Diseases, Ferraro, A.; Arch. Neurol. and Psychiat. 52: 443, 1944; Newer Concepts of Post-in- fectious and Related Forms of Encephalitis, Putnam, T.J.; Bull. N.Y. Acad. Med. 17: 337, 1941.

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Demyelinating Diseases	1	Laboratory study of the gross and histopathology of demyelinating diseases of the central nervous system.	PE	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.; Pathology of Demyelinating Diseases, Ferraro, A.; Arch. Neurol. and Psychiat. <u>52</u> : 443, 1944; Newer Concepts of Post-in- fectious and Related Forms of Encephalitis, Putnam, T.J.; Bull. N.Y. Acad. Med. <u>17</u> : 337, 1941.
Degenerative Diseases	2	Laboratory study of the gross and histopathology of degenerative and heredofamilial diseases of the central nervous system. Review of classification and concepts of pathogenesis.	L	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.;



SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
				Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.
Deficiency Disorders	1	A survey of nutritional de- ficiency and the central nervous system with a review of preva- lence, pathogenesis, pathological lesions and syndromes particularly those related to de- ficiencies of the Vitamin B group.	L,D	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.; Nutritional Deficiency, ARNED Mono- graph, XXII, 1944.
Pathology of Head Injury	1	A review of mecha- nisms of head in- jury and types of injury to intra- cranial contents: concussion, contusion, laceration, edema, vascular lesions, chronic effects.	L	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous

## ANNEX NO. 6 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		Pathogenesis and relationship to clinical syndromes.		Systems, Hassin, G.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.; Trauma of the Central Nervous System: ARNMD Mono- graph XXIV, 1945.
Trauma of the Central Nervous System	1	Laboratory study of the gross and histological lesions of the various types of injury to the central nervous system.	PE	As above.
Brain Tumors	1	A survey of the types and incidence of intracranial tumors, their pathological physiology, origin and specific sites of predilection.	L,D	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, C.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army

## ANNEX NO. 6 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
				Institute of Pathology; Neuropath- ology, Free- man, W.; The Meningiomas, Cushing, H. and Eisenhardt, L.
Brain Tumors	2	Laboratory study of the gross and histological characteristics of the different types of common brain tumors.	PE	As above.
Brain Sectioning	2	Demonstrations and practical application of routine techniques of gross brain sectioning, study, description and removal of speci- mens for histo- logical preparation.	D, PE	Pathology of Central Ner- vous System, Courville, C.B.; Histo- pathology of Peripheral and Central Nervous Systems, Hassin, G.B.; Neuropath- ology, Weil; Atlas of Neuropath- ology, Army Institute of Pathology; Neuropath- ology, Free- man, W.; Special mimeo- graphed out- lines.



CLINICAL NEUROLOGY  
(20 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
The Neurological Examination	6	A survey of the neurological anamnesis, special methods of the mental status and methods of examina- tion of gait, sta- tion, involuntary movements, coordina- tion, muscle status, speech, reflexes, sensory systems, skilled acts and cranial nerves. Clini- cal significance of abnormal signs is discussed.	L, D, TF	Monrad-Krohn, G., Clinical Examination of the Nerv- ous System. Spurling, R. G., Neurol- ogical Exam- ination. Herz, E. & Putnam, T.J., Motor Disorders in Nervous Dis- eases. Merritt, H.H., Mettler, F. & Putnam, T.J., Funda- mentals of Clinical Neurol- ogy. Misc. Films: 1301, 1302, 1303, 1304, 1305.
Spinal Cord Injuries	1	The clinical syndromes, methods of diagnosis, care and management of spinal cord injuries.	L, TF	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Wilson, S.K., Neurology. Wechsler, I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsy- chiatry. TB MED 162. TF 8- 1234. Brain, R., Diseases of the Nervous System.

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Herniated Nucleus Pulposus and Back Pain	1	Review of significant causes of back pain and role of herniated nucleus pulposus. Anatomical and pathophysiological features. Survey of history and methods of examination. Myelography. Characteristic syndromes, care, management and disposition of patients.	L, D	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neurology. Wechsler, I., Textbook of Clinical Neurology. Solomon, H. & Yakovlev, P., Manual of Military Neuropsychiatry. TB MED 162. TF 8-1234. Bradford, K. & Spurling, R.G., The Intervertebral Disc.
Peripheral Nerve Disease	2	A survey of syndromes, methods of diagnosis, treatment and disposition of generalized and localized disorders of peripheral nerves including traumatic, infectious, toxic-metabolic disorders.	L, D	Grinker, R. R., Neurology. Walshe F.M.R., Diseases of the Nervous System. Brain, R. Diseases of the Nervous System. Wilson, S.K., Neurology. Wechsler, I., Textbook of Clinical Neurology. Solomon, H. & Yakovlev, P., Manual of Military Neuropsychiatry. TB MED 162. TF 8-1234. Haymaker, W. & Woodhall, B., Peripheral Nerve Injuries.

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INFORMATION	TYPE OF INSTRUCTION	REFERENCES
Demyelinating Diseases	1	The incidence, signs, symptoms, natural history, differential di- agnosis, care, treatment and management of demyelinating disorders, par- ticularly mul- tiple sclerosis.	L, D	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler, I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsy- chiatry. TB MED 162. TF 8-1234.
Poliomyelitis	1	The epidemiology, pathogenesis, clinical syn- dromes, differ- ential diagnosis, treatment (in acute, subacute, convalescent and chronic stages) of poliomyelitis and its complica- tions.	L	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler, I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsy- chiatry. TB MED 162. TF 8-1234. TB MED 193.
Neurosyphilis	2	A survey of clinical neuro- syphilis: inci- dence, classifi- cation, patho- genesis, spinal fluid groups, problems of asymp- tomatic types,	L	Grinker, R.R., Neurology, Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler,



SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INFORMATION	TYPE OF INSTRUCTION	REFERENCES
		clinical syn- dromes, treat- ment, results and prognosis, and military disposition.		I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsy- chiatry. TB MED 162. TF 8-1234. TB MED 48. Moore, J., Modern Treat- ment of Syphilis.
Convulsive Disorders	3	A review of general and specific prob- lems related to convulsive dis- orders; defini- tions and clari- fication of terms, incidence, etio- logical, chrono- logical and clinico- anatomical classi- fications, diag- nostic features, methods of case work-up, study and follow-up, socio- logical and psycho- logical factors, therapy, manage- ment and disposi- tion of cases, problems of epi- lepsy in the mili- tary setting.	L, TF	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler, I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsy- chiatry. TB MED 162. TF 8-1234. Penfield & Erick- son, Epilepsy & Cerebral Local- ization.
Head Injury	2	A review of the clinical syn- dromes, methods of diagnosis, care, management and dis- position of pa- tients with the different types of head injury. Post	L	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler,

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INFORMATION	TYPE OF INSTRUCTION	REFERENCES
		traumatic head- ache, epilepsy and mental re- action types, Problems of re- habilitation.		I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsychi- atry. TB MED 162. TF 8-1234. Goldstein, K., Brain Injuries in the War. Trauma of the Central Nervous System. ARMED Monograph, XXIV, 1945. Rowbotham, G., Acute Injuries of the Head.
Diseases of Muscle and Neuromuscular Disorders	1	A presentation of a series of cases (by motion picture) of the clinical syn- dromes of prog- ressive muscular atrophy, prog- ressive muscular dystrophy, amyo- tonia congenita, myotonia atrophica, myasthenia gravis, syringo myelia, amyo- trophic lateral sclerosis. Discus- sion of differen- tial diagnosis, treatment and management.	TF, C	Grinker, R.R., Neurology. Walshe, F.M.R., Diseases of the Nervous System. Brain, R., Diseases of the Nervous System. Wilson, S.K., Neu- rology. Wechsler, I., Textbook of Clinical Neurol- ogy. Solomon, H. & Yakovlev, P., Manual of Mili- tary Neuropsychi- atry. TB MED 162. TF 8-1234. Neurological Cinematographic Atlas Film, M5a and b: Progress- ive Muscular Atrophies, Distro- phies and Allied Conditions.

## ANNEX NO. 3

"NORMAL" BEHAVIOR PATTERNS  
(5 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Mental Mechanisms	2	Mechanistic aspects of psychic life, The mechanisms of sublimation, proj- ection, introjection, repression, suppres- sion, regression, isolation, and re- action formation.	L	Personality and the Behavior Disorders, J. McV. Hunt, Vol. I.
Incapacity in Mental Illness	1	Normal use of mental mechanisms. What constitutes mental illness. Contrast of mental illness and defective character formation. The fallacy of con- sidering all people as "a little neurotic."	L	Common Neurosis of Children and Adults, Pearson and English. The Psychology of Insanity, Hart.
"Nervousness" and Anxiety	1	The feeling of anxiety, its source, physiology, and function. When anxiety is a symptom of mental illness. Argument against treating nervousness.	L	The Psycho- analytic Theory of Neurosis, Fenichel, pp 193-200.
Concept of Anxiety	1	Anxiety as a neur- otic symptom. Masked anxiety. Anxiety in the service of the ego. Related feelings: guilt, fear, irrita- bility, and sorrow.	C	The Psycho- analytic Theory of Neurosis, Fenichel, pp 129-140, pp 200-216.



PSYCHOPATHOLOGY  
(20 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Observations on Behavioral Aspects in Neurosis	4	Using a series of films from the Penn. U. Psycho- logical Labora- tories, the experi- mental production of neurotic behav- ior and evaluation of intensifying and remission favoring factors are discus- sed. The nature of pathology producing conflict is explained from the experimental point of view.	L, TF	Behavior and Neurosis, Massermann
Learning Theory in Psycho- dynamics.	4	The psychology of conditioning, learning theory as applied to the emotional life, the evolution of the behaviorist school from Watson until today, Gestalt school in learning theory psychology.	L	Personality and the Behavior Dis- orders, J. McV. Hunt, Vol's I & II.
Introduction to Psychoanalytic Psychology	5	The totality of a dynamic person- ality; psychic economics; the dif- ferentiation of self; regulation and morality; love, hate, and tender affection; ego psychology; libidinal theories in psychol- ogy.	L	The Psycho- analytic Theory of Neurosis, Fenichel. Common Neurosis of Children and Adults, Pearson and English.

## ANNEX NO. 9 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Alcohol and Experimental Neuroses	1	Role of alcohol in some neuroses. Rationale of condi- tioning treatment for alcoholism.	L, TF	None
Sociological Factors in Individual Psychodynamics	5	To present and interpret a uni- fied picture of human behavior in military society. To attempt an explanation of the nature of military society and its effects upon its participants. To emphasize an anal- ysis of the social structure of the Army and the char- acteristics which differentiate it from civilian society. Interpretation of cultural and institu- tional factors that impinge on the per- sonality to bring about both adjust- ment and maladjust- ment to the military situation.	L	The American Journal of Sociology, March, 1946, Vol. LI, No. 5, (Issue is devoted to the social psychology of military life). Plant, James S., Personality and the Cul- tural Pattern, The Common- wealth Fund, New York, 1937; Benedict, Ruth, Patterns of Culture, Boston, Houghton, Mif- flin Co., 1934; Benedict, Ruth, The Chrysan- themum and the Sword, Houghton- Mifflin Co., Boston, 1946; Horney, Karen, The Neurotic Personality of Our Time, W.W. Norton & Co., New York, 1937; Lynd, R.S. & Lynd, H.M., Middleton, Har- court and Brace, 1929; Lynd, R. S. and Lynd,

## ANNEX No. 9 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
				H. M., Middle- ton in Transi- tion, Harcourt, Brace, New York, 1937.
Psychological Concept	1	To introduce student to the concept of total personality func- tioning in a total environment. The therapeutic and theoretical implica- tion of this concept.	L	None



SPECIFIC BEHAVIOR DEVIATIONS AND DEFICIENCIES  
(50 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
History of Psychiatry	1	Introductory lec- ture to present historical high- lights in psychiatry emphasizing the cul- tural aspects in the recognition of mental disease as a medical problem. Humaniza- tion in treatment and handling of mentally sick patients.	L	History of Medical Psychology, Zilboorg.
Scope and Techniques in Psychiatry	8	Recording the mental status and personal his- tory. Interview technique. Nursing classification of behavior disorders. Survey description of the many classes of conditions seen by the psychiatrist.	L	TB MED 203; Modern Clin- ical Psy- chiatry, Noyes; Prac- tical Clinical Psychiatry, Strecher and Ebaugh.
Mental Deficiency	1	Clinical determina- tion of mental deficiency, psycho- logic tests of mental age, concept of I.Q. Distinguish- ing between primary and secondary mental deficiency.	L	Modern Clin- ical Psychia- try, Noyes; Feeble-minded- ness, Its Causes and Consequences, Goddard.
Character and Behavior Disorders	8	Lectures and class discussions cover- ing the descriptions, differential diagnoses, prognostic thera- peutic military vs. civilian implications	L, C	TB MED 203; The Psycho- analytic Theory of Neurosis, Fenichel, pp 465-540; Alco- holics are Sick

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		of the personality disorders and immaturity reactions. The concepts of psychopathic personality. Nature vs. nurture in C.P.I.		People, Seliger; Social Pathology, Brown; Common Neurosis of Children and Adults, Pearson & English, pp 261-285.
Psychoneuroses	12	The nature of the neurotic conflict, traumatic neuroses, the historic development of neuroses in an individual, mental mechanism in neuroses, the definitions, classifications, descriptions of combat exhaustion, situational reactions, anxiety reactions, dissociative reactions, phobic reactions, conversion reactions, obsessive-compulsive reactions, hypochondriacal reactions, and neurotic depression reactions. The symbolic language and meaning of neurotic symptoms.	L, C	Modern Clinical Psychiatry, Noyes; The Psychoanalytic Theory of Neuroses, Fenichel, pp 1-386; Common Neurosis of Children and Adults, Pearsen & English; The Human Mind, Meninger; Goals and Desires of Man, Schilder; The Person in the Body, Hinsie.
Psychoses	15	Diagnosis and pathological consideration of psychoses due to organic disease. Schizophrenic reactions, types, clinical considerations, longitudinal viewpoint in life chart, etiological considerations, regressive and reatitutional meanings of symptoms,	L, C	Modern Clinical Psychiatry, Noyes; The Psychoanalytic Theory of Neurosis, Fenichel, pp 387-452; Practical Clinical Psychiatry, Strocher & Ebaugh;

## ANNEX NO. 10 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		peculiarities of thought and feeling, and course, Manic depressive reactions, types, clinical and etiological consideration. Involuntional reactions, types, clinical and etiological considerations. Paranoia and related psychoses. Senile and presenile psychoses.		Schizoid Personality and Schizophrenia, Bartomeier (War Medicine, Sept. '41); Some problems of the Functional Psychoses, Campbell; Language and Thought in Schizophrenia, Kasanin.
Somatization Reactions	5	Anxiety in somatization reactions. Relation to conversion reactions, organ neuroses and hypochondriacal reactions. Description, diagnosis, and handling of psychogenic gastrointestinal, cardiovascular, genitourinary, allergic, skin, and asthenic reactions. Coordination with other medical specialties.	L, C	Psychosomatic Medicine, Weiss and English; The Psychoanalytic Theory of Neurosis, Fenichel, pp 236-267; TB MED 203; Psychosomatic Diagnosis, Dunbar; Psychosomatic Medicine, English and Pearson.



# ANNEX NO. 11

## CHILDHOOD PSYCHIATRY ( 4 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Practice of Child Psychiatry	2	The importance of childhood as the golden age for preventive psy- chiatry, reasons. Various schools in child rearing. Common errors and misconceptions in handling children. What constitutes "frustration."	L	Emotional Problems of Living, Pear- son and English; Common Neuroses of Children and Adults, Pearson and English.
Neurotic Behavior in Children	2	Anxiety in children. Fears and insecurities of childhood. Magical thinking of child. Anxiety hysteria in child- ren and adults. Special considera- tions in phobia formation in child- ren. Normal schizophrenoid symptoms of child's behavior.	L	Same as above.

MALADJUSTMENTS IN THE MILITARY SERVICE  
(5 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Stresses of Induction	2	Stresses encountered by the individual upon entering the military environment. Effects of regimentation on various personalities. Relation to previous relations with authoritative figures.	L	Manual of Military Neuropsychiatry, Solomon & Yakovlev.
Induction Examinations	1	Lessons learned as to utility and limitations of induction examinations as regards the psychiatric problem.	L	TB MED's 94 and 100; Manual of Military Neuropsychiatry, Solomon & Yakovlev.
Psychiatric Picture of World War II and World War I	1	Factors to be considered in understanding the greater incidence of psychiatric illness in World War II; leadership, supply, pace of war, duration of combat, general morale and motivational considerations.	L	None
Psychoneurosis in World War II	1	The psychoneurotic vs. character disorder as a military tactical problem. Considerations of malingering, psychopathy, and mental illness in the military picture.	L	All But Me and Thee, Cook; What Has Psychiatry Learned During Present War, Porter (Amer. Journ. Psychiatry, Vol. 99, Nov. '43); Incidences of NP

## ANNEX. NO. 12 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
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Disorders in  
World War II  
(Amer. Journ.  
Psychiatry,  
Vol. 102,  
Jan. '46).



PREVENTIVE PSYCHIATRY  
(5 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Preventive Psychiatry in Preventive Medicine	1	Incidence of mental incapa- city. Evaluation of therapeutic techniques; need for mental hygiene. Childhood and pre- ventive psychiatry.	L	Psychiatric Objectives in Army, Men- ninger (Amer. Journ. Psy., Vol. 102, July '45.)
Difficulties in the Practice of Preventive Psychiatry	1	Personal factor of parents. Effects of previous repres- sions on adult. Rationalized deriva- tives displayed by parents towards their children. Tendency to pro- duce the same or opposite reaction patterns in off- spring.	L	Role of Mental Hygiene Clinic in Military Training Center, Freed- man (Mental Hygiene, Vol. XXVII, Jan. '43)
Efficiency of Methods	1	Difficulties in statistical evalua- tion. Review of most popular methods including those used in pre-school and early grade clinics, formal group psychotherapy and education in mental hygiene, Consultation Service Psychiatry.	L	TB MED's 12, 21, 156; Pre- ventive Psy- chiatry with Combat Troops, Speigel (Amer. Journ. Psy., Vol. 101, Nov., '44).
Informal Mental Hygiene	1	Dynamically inter- preted usefulness of long-standing social institu- tions, e.g., Boy	L	Counseling on Psycho- therapy, Rogers.

## ANNEX NO. 13 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		Scouts of America, Women's Clubs, Men's Clubs, gatherings for particular emotional experiences, and considerations of school as a socializ- ing medium.		
Morale and Character Building	1	To develop and strengthen the moral fibre of the individual soldier so that the venereal disease incidence rates of the Army may be decreased by the individual practice of sexual continence. To acquaint the soldier with the moral and physical dangers of promiscuous sex relationships. To build the morale of the individual soldier by empha- sizing self dis- cipline in con- formity with the teachings of home and church, and by inculcating a pride in self and in the unit to which he belongs.	L	SGO Cir 19, 6 Feb 47; Outline of Lectures from Office of Chief Chaplain, Washington, D.C.

PSYCHIATRIC THERAPY  
(30 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Treatment of General Paresis	1	Evaluation of peni- cillin and arsen- icals, fever box, and malaria. Accepted routines of therapeutic pro- cedures. Modification of treatment methods and when indicated.	L	TB MED 48; Practical Clinical Psychiatry, Strecher & Ebaugh.
Electro- convulsive Therapy	5	Historical develop- ment of electro- shock procedures used now. Indica- tions and contra- indications. Electro- narcosis. Use of curare, and other techniques for avoid- ing complications.	L, TF	Shock Treat- ments, Kalin- owsky-Hoch; Present Status of Shock Therapy, Rennie (Psychia- try, Vol. 6, May '43).
Insulin Coma	2	Indications for insulin coma therapy. Techniques of admin- istration. Precau- tions to be observed. Use of other types of therapy in conjunction with coma.	L	Shock Treat- ments, Kalin- owsky-Hoch.
Prefrontal Leukotomy	1	Review of status of prefrontal leukotomy as performed by dif- ferent techniques. Indications, complica- tions and incidence.	L	As above.
Reconditioning in Psychiatric Therapy	3	Mileau therapy. Reconditioning for mental recovery. Socializing aspects of reconditioning.	L	Manual of Physical Therapy, Kovacs; TB MED 80.



SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		Psychobiological concepts in total picture of psychia- tric therapy.		
Ward Care as Therapy	2	Stressing that everything effect- ing the patient is part of the therapeutic program. Administration as therapy. Import- ance of trained and understanding ward-men, nurses, social workers, and psychologists.	L	Hydrotherapy, Wright; Psy- chiatry for Nurses, Biddle and van Sickle.
Individual Psychotherapy	7	Individual Psycho- therapy as one phase of Psychia- tric Therapy. Evaluation of type and purpose in dif- ferent classes of cases. Insight and repressive, sup- portive psychotherapy. Techniques in psycho- therapy.	L	TB MED 103; Active Psycho- therapy, Herz- berg; Psycho- therapy in Medical Prac- tice, Levine.
Analytic Procedure	2	Description of technique, ration- ale, and limita- tions of the anal- ytic procedures. Psychoanalytic psycho- therapy, psycho- analytically oriented psychiatric therapy, and formal applica- tion of psychoanalysis.	L	The Psycho- analytic Theory of Neurosis, Fenichel.

## ANNEX NO. 14 (Cont'd)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Hypnosis in Psychotherapy	2	Description of hypnotic proce- dure. Appli- cability of tech- nique in insight and repressive- supportive psy- chotherapy programs. Hypnotic phenomena such as regression and disassociation.	L, TF	Hypnoanalysis, Wolberg.
Intra-venous Barbiturates in Psychotherapy	2	Drugs of choice. Comparison to hypno- sis in application to different types of psychotherapeutic programs. Special value and mode of functioning in acute traumatic conditions of recent origin.	L	Narcoanalysis, Horsley.
Sub-coma Insulin Techniques	2	Techniques, indica- tions, and expected results with A. C. insulin, ambulatory insulin and sub- convulsive administra- tion.	L	Shock Treat- ments, Kalinow- sky-Moch.
Combined Therapy	1	Value of specific psychotherapeutic pro- cedures when combined with physical therapy. Special emphasis on the possible combina- tions of physical therapies into an integrated program for individual patient needs.	L	Factors in Psychotherapy, Kaufman (Psy- chiatric Quar- terly Vol. 15, Jan. '41)

# ANNEX NO. 15

## LEGAL ASPECTS OF PSYCHIATRY (4 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Legal Implications of the Clinical Record	2	Profiling. Legal consequences of various diagnoses. The importance of line of duty determinations. The clinical record as it protects the individual patient and doctor. Coding. Interpretation of the clinical record by the V.A.	L	TB MED 203.
Psychiatric Testimony	1	Imparting psychiatric testimony before courts-martial, Army retiring boards, boards of officers convened under AR 615-368 and AR 615-369. Reclassification boards in disposition of officers.	L	TB MED 201.
Determination of Legal Responsibility	1	Social implications of mental responsibility determinations. Interpretations of par. 35c in Manual for Courts-Martial. The legal concept of insanity. Mental deficiency and mental competency. Responsibilities of the psychiatrist to society, to military, and to individual.	L	TB MED 201.



CORRELATIVE SERVICES  
(4 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
The Psychiatric Team	1	Understanding the organization, purpose, and functioning of the team composed of doctor, nurse, social worker, and psychologist. Need for cooperation while yet maintaining individuality of approach.	L	None
Duties of the Neuropsychiatric Nurse	1	Survey of the duties and responsibilities of the neuropsychiatric nurse as a functioning unit in the team. Special stress on how doctor and nurse can best cooperate in efficient handling of patients. The training and role of the psychiatric attendant.	L	Psychiatry for Nurses, Fiddle & van Sickle.
Duties of the Psychiatric Social Worker	1	The particular viewpoint of the psychiatric social worker. Special stress on how he can best be integrated into team activities.	L	Psychiatric Social Work, French.
The Psychologist	1	The viewpoint of the psychologist. His special skills and contributions to patient evaluation. How he can render most useful service to the neuropsychiatric team.	L	Principles of Abnormal Psychology, Maslow and Mittelman.

## ANNEX NO. 17

PHYSICAL TRAINING  
(80 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Introduction to Physical Training	2	Training film to demonstrate types of conditioning exercises, grass drills and guerrilla exercises that are conducted in accord- ance with Training Circular 87.	TF	None.
Formations and Starting Positions	2	Explanation and demonstration of various formations, starting positions and warm-up exer- cises used in physical training. Application of each under super- vision of the instructor.	D,PE	FM 21-20, Chap 4.
Warm-up Conditioning Exercises	2	Explanation, demon- stration and application of various warm-up and conditioning exercises described in Training Circular 87.	D,PE	FM 21-20, Chap 4.
Conditioning Exercises	14	Demonstration and application of conditioning exercises.	D,PE	FM 21-20, Chap 4.
Guerrilla Exercises	2	Explanation, demon- stration and application of various types of guerrilla exercises.	D,PE	FM 21-20, Chap 8.

## ANNEX NO. 17 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Conditioning and Guerrilla Exercises	10	Explanation, demonstration and application of conditioning and guerrilla exercises.	D, PE	FM 21-20, Chap 4-8.
Team Competition	4	Explanation, demon- stration and application of various types of athletics and mass games.	D, PE	FM 21-20, Chap 13
Competitive Sports	6	Class divided into teams to participate in volleyball, softball and touch football.	PE	FM 21-20; TM 21-220.
Conditioning and Guerrilla Exercises, Mass Games and Competi- tive Sports	36	Explanation, demon- stration and appli- cation of various types of exercises and athletics.	D, PE	FM 21-20; TM 21-220
Physical Fitness Test	2	Class divided into groups to partici- pate in tests 2-3-4-5 as described in FM 21-20.	PE	FM 21-20, Chap 17.



TROOP INFORMATION PROGRAM  
(16 Hours)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
China (1600-1947)	1	History and develop- ment of China from 1600 through the second World War.	L	None.
The Mission, Need and Organization of I & E	1	The use of ideas as weapons, mission of I&E, I&E as a command function, authorization and organization, per- sonnel and duties, need of I&E in combat and peace time, I&E for in- ductees, volunteers, outbound and in- coming troops.	L	WD Cirr 360, 367, Sec X; 392, Sect VI; 1944; 193, Sect I, 1945; 18, Sect II; 111, Sect I; 138, par 20, 1946; Ltr, I&E Div, WDSS 29 Apr 46, Subject: "Troop Information Program,"; WD Pamphlet 20-3; Army Information Digest.
Russia (1682-1947)	1	The history and development of Russia from 1682 to the present time.	L	None.
Troop Information Program	3	A panel will be presented to discuss their views of a subject of timely and current in- terest. After the main speaker has completed his talk, the hour will be opened to questions from the audience, directed to any one of the members of	L	WD Cirr 360, 1944; 100, Sect IX, 1946; TM 28-210; EM-1 (GI Roundtable); Army Infor- mation Digest; Discussion and Infor- mation Train- ing Handbook (proposed)

## ANNEX NO. 18 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
		the panel under the supervision of the instructor.		
Germany (1618-1947)	1	History, development and background of Germany from 1618 to the present time.	L	None.
Information Centers and Media	1	The purpose, means and methods of developing, locating and maintaining a live information center, and a tour of a Battalion Infor- mation Center.	L,P	WD Cirr 360, 1944; 100, Sect IX, 1946; TM 28-210; EM-1 (GI Roundtable); Army Infor- mation Digest; Discussion and Information Training Handbook (Proposed)
Problems of the World Today	3	Open forum dis- cussing any prob- lem that might arise regarding current affairs and problems of interest.	C,PE	Current Magazines; Army Talks Guide of Current Affairs; "A Weekly Digest of Public Opinion," prepared by the Analysis Division; American Government and Politics, Beard; A Short History of the American Democracy, Hicks.

## ANNEX NO. 18 (Continued)

SUBJECT AND FILE NUMBER	HOURS	SCOPE OF INSTRUCTION	TYPE OF INSTRUCTION	REFERENCES
Army Education Program	1	The mission of education in the Army; organization and administration of the educational program, USAFI and its operation, off- duty educational programs, education- al counsellors, and publicizing edu- cational programs.	L	WD Cir 360, 367; Sect X; 392, Sect VI; 1944; 193, Sect I, 1945; 111, Sect I, 1946; TM 28- 210; USAFI Information Bulletin; USAFI Catalog.
Training Films	4	Films of current interest to be shown.	TF	None.











